

Barbara

#6

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/500,878
Source: PCT
Date Processed by STIC: 4-21-05

ENTERED

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PCT

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/10/500,878

TIME: 10:02:45

Input Set : A:\11342-1 SEQLIST.TXT

Output Set: N:\CRF4\04212005\J500878.raw

```

4 <110> APPLICANT: National Research Council of Canada
5     NI, Feng
6     SU, Zhengding
7     XU, Ping
8     TOLKATCHEV, Dmitri
9     OSBORNE, Michael J.
10    KOUTYCHENKO, Anatol
12 <120> TITLE OF INVENTION: QUANTITATIVE RANKING OF TRANSIENT LIGAND
13    BINDING TO TARGET BIOMOLECULES BY USE OF NUCLEAR MAGNETIC
14    RESONANCE
16 <130> FILE REFERENCE: 2139-24PCT
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/500,878
C--> 18 <141> CURRENT FILING DATE: 2004-07-07
18 <150> PRIOR APPLICATION NUMBER: US 60/346,894
19 <151> PRIOR FILING DATE: 2002-01-11
21 <160> NUMBER OF SEQ ID NOS: 20
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 6
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Anti-thrombin peptide
33 <220> FEATURE:
34 <221> NAME/KEY: MOD_RES
35 <222> LOCATION: (6)...(6)
36 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
38 <400> SEQUENCE: 1
W--> 39 Gly Leu Asp Pro Arg Xaa
40 1 5
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 6
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Anti-thrombin peptide
50 <220> FEATURE:
51 <221> NAME/KEY: MOD_RES
52 <222> LOCATION: (6)...(6)
53 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
55 <400> SEQUENCE: 2
W--> 56 Gly Val Asp Pro Arg Xaa
57 1 5

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RAW SEQUENCE LISTING

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Input Set : A:\11342-1 SEQLIST.TXT

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59 <210> SEQ ID NO: 3
60 <211> LENGTH: 6
61 <212> TYPE: PRT
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Anti-thrombin peptide
67 <220> FEATURE:
68 <221> NAME/KEY: MOD_RES
69 <222> LOCATION: (6)...(6)
70 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
72 <400> SEQUENCE: 3
W--> 73 Gly Phe Asn Pro Arg Xaa
74 1 5
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 6
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Anti-thrombin peptide
84 <220> FEATURE:
85 <221> NAME/KEY: MOD_RES
86 <222> LOCATION: (6)...(6)
87 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
89 <400> SEQUENCE: 4
W--> 90 Gly Pro Asn Pro Arg Xaa
91 1 5
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 6
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Anti-thrombin peptide
101 <220> FEATURE:
102 <221> NAME/KEY: MOD_RES
103 <222> LOCATION: (6)...(6)
104 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
106 <400> SEQUENCE: 5
W--> 107 Gly Phe Ser Ala Arg Xaa
108 1 5
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 5
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Anti-thrombin peptide
118 <400> SEQUENCE: 6
119 Gly Val Ser Pro Arg
120 1 5
122 <210> SEQ ID NO: 7

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RAW SEQUENCE LISTING

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TIME: 10:02:45

Input Set : A:\11342-1 SEQLIST.TXT

Output Set: N:\CRF4\04212005\J500878.raw

123 <211> LENGTH: 5
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Anti-thrombin peptide
130 <400> SEQUENCE: 7
131 Gly Leu Asp Pro Arg
132 1 5
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 5
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Anti-thrombin peptide
142 <400> SEQUENCE: 8
143 Gly Val Asp Pro Arg
144 1 5
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 5
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Anti-thrombin peptide
154 <400> SEQUENCE: 9
155 Gly Phe Asn Pro Arg
156 1 5
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 5
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Anti-thrombin peptide
166 <400> SEQUENCE: 10
167 Gly Pro Asn Pro Arg
168 1 5
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 5
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Anti-thrombin peptide
178 <400> SEQUENCE: 11
179 Gly Phe Ser Ala Arg
180 1 5
182 <210> SEQ ID NO: 12
183 <211> LENGTH: 13
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,878

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Input Set : A:\11342-1 SEQLIST.TXT

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188 <223> OTHER INFORMATION: Anti-thrombin peptide
190 <220> FEATURE:
191 <221> NAME/KEY: MOD_RES
192 <222> LOCATION: (13)...(13)
193 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
195 <400> SEQUENCE: 12
W--> 196 Gly Asp Tyr Glu Glu Ile Pro Glu Glu Tyr Leu Gln Xaa
197   1           5           10
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 13
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Anti-thrombin peptide
207 <220> FEATURE:
208 <221> NAME/KEY: MOD_RES
209 <222> LOCATION: (13)...(13)
210 <223> OTHER INFORMATION: Xaa = HomoSerine Lactone
212 <400> SEQUENCE: 13
W--> 213 Gly Asp Leu Glu Glu Ile Pro Glu Glu Tyr Leu Gln Xaa
214   1           5           10
216 <210> SEQ ID NO: 14
217 <211> LENGTH: 12
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Anti-thrombin peptide
224 <400> SEQUENCE: 14
225 Gly Asp Gly Glu Glu Ile Pro Glu Glu Tyr Leu Gln
226   1           5           10
228 <210> SEQ ID NO: 15
229 <211> LENGTH: 11
230 <212> TYPE: PRT
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Anti-thrombin peptide
236 <220> FEATURE:
237 <221> NAME/KEY: ACETYLTATION
238 <222> LOCATION: (1)...(1)
240 <400> SEQUENCE: 15
241 Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu Gln
242   1           5           10
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 35
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: six Anti-thrombin peptides in tandem
252 <400> SEQUENCE: 16

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,878

DATE: 04/21/2005

TIME: 10:02:45

Input Set : A:\11342-1 SEQLIST.TXT

Output Set: N:\CRF4\04212005\J500878.raw

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253 Gly Leu Asp Pro Arg Met Gly Val Asp Pro Arg Met Gly Phe Asn Pro
254 1 5 10 15
255 Arg Met Gly Pro Asn Pro Arg Met Gly Phe Ser Ala Arg Met Gly Val
256 20 25 30
257 Ser Pro Arg
258 35
260 <210> SEQ ID NO: 17
261 <211> LENGTH: 4
262 <212> TYPE: PRT
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Anti-thrombin peptide
268 <400> SEQUENCE: 17
269 Phe Asp Pro Arg
270 1
272 <210> SEQ ID NO: 18
273 <211> LENGTH: 18
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Anti-thrombin peptide
280 <400> SEQUENCE: 18
281 Pro Gln Ser His Asn Asp Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr
282 1 5 10 15
283 Leu Gln
286 <210> SEQ ID NO: 19
287 <211> LENGTH: 12
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Anti-thrombin peptide
294 <400> SEQUENCE: 19
295 Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu Gln
296 1 5 10
298 <210> SEQ ID NO: 20
299 <211> LENGTH: 22
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Anti-thrombin peptide
306 <400> SEQUENCE: 20
307 Phe Asp Pro Arg Pro Gln Ser His Asn Asp Gly Asp Phe Glu Glu Ile
308 1 5 10 15
309 Pro Glu Glu Tyr Leu Gln
310 20

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/500,878

DATE: 04/21/2005
TIME: 10:02:46

Input Set : A:\11342-1 SEQLIST.TXT
Output Set: N:\CRF4\04212005\J500878.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 6 ✓
Seq#:2; Xaa Pos. 6 ✓
Seq#:3; Xaa Pos. 6 ✓
Seq#:4; Xaa Pos. 6 ✓
Seq#:5; Xaa Pos. 6 ✓
Seq#:12; Xaa Pos. 13
Seq#:13; Xaa Pos. 13

VERIFICATION SUMMARY

DATE: 04/21/2005

PATENT APPLICATION: US/10/500,878

TIME: 10:02:46

Input Set : A:\11342-1 SEQLIST.TXT

Output Set: N:\CRF4\04212005\J500878.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0